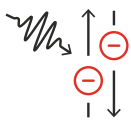


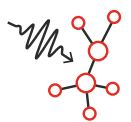
WHITE DWARF HE OPCPA 30W



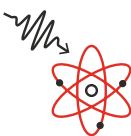
- Spin dynamics
- Superconductivity



- Carrier dynamics of solid materials
- Photosynthesis



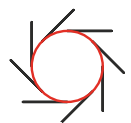
- Cluster and gasphase dynamics



- Attosecond dynamics in solids and gases



- Strong-field physics
- Relativistic plasma physics



- Particle accelerators



- Laser user facilities

ACCELERATE YOUR RESEARCH

The *White Dwarf HE* OPCPA is our most compact and versatile laser system and satisfies the most discerning scientists in a variety of disciplines.

AVERAGE POWER

4 W

30 W

WAVELENGTH OPTIONS

700 nm

3000 nm

PULSE DURATION

9 fs

900 fs

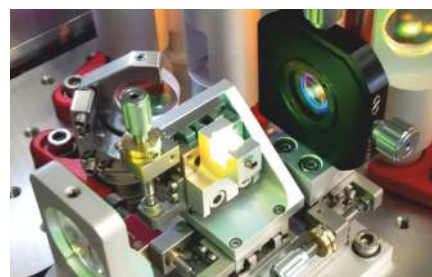
WHITE DWARF HE OPCPA

PRODUCT SPECIFICATIONS

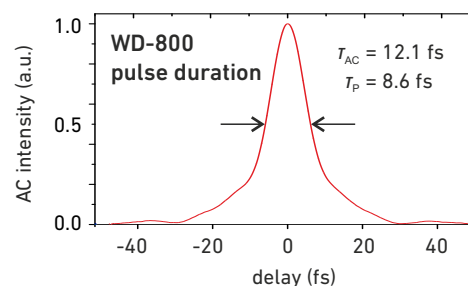
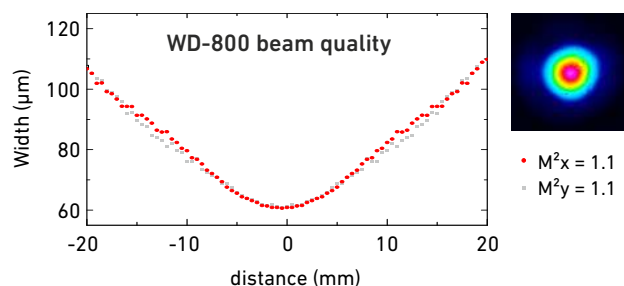
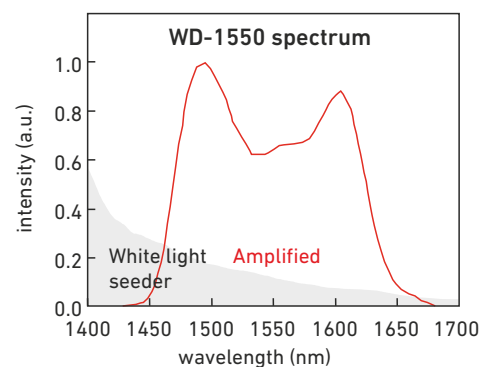
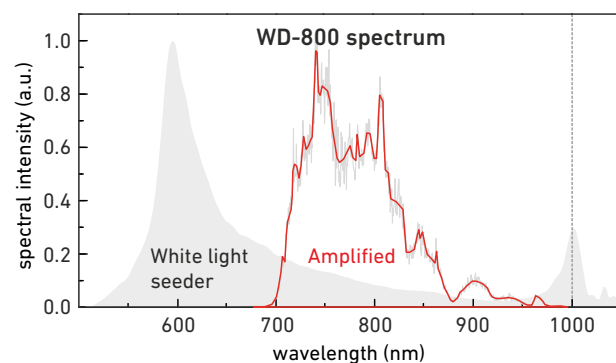
	WD-HE-800	WD-HE-1550	WD-HE-2200	WD-HE-3000
Central wavelength	700 - 950 nm	1400 - 1700 nm	1800 - 2400 nm	2600 - 3500 nm
Pulse duration (FWHM)	< 10 fs	< 40 fs	< 35 fs	< 100 fs
Average power	>4 W / > 10 W / > 20 W / > 30 W			
Pulse energy	> 15 μ J / > 20 μ J / > 200 μ J / > 300 μ J			
Repetition rate	100 kHz - 10 MHz			
Beam quality	$M^2 < 1.3$			
Dimensions	4 W: 1200 x 800 mm ² / 10-20 W: 1520 x 800 mm ² / 30 W: 1520 x 1110 mm ²			
Customized range	250 - 2000 nm	1400 - 3500 nm	1500 - 2400 nm	1400 - 3500 nm
Product options	CEP stability, long-pulse, dual output, synchronization, phase-shaper, burst-mode, tunability, SHG, THG and mid-IR extension			

HIGHLIGHTS

The **White Dwarf HE OPCPA** is a powerful femtosecond optical-parametric chirped-pulse amplifier system. It comes as a complete system in four different power levels, pumped by an industrial Yb: fiber or Yb: YAG laser, making it robust, reliable and easy-to-use. The different wavelength versions covering the near- to mid-infrared range open a wide field of applications. All versions can be combined to dual output pump-probe systems with different pulse properties in pump and probe output and intrinsic synchronization. Product options are available for all systems (see table).



PERFORMANCE EXAMPLES



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